03-14-05 BFW 1645

Attorney's Docket No.: 13407-016001 / MIT 8503

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Leonard Guarente et al. Art Unit : 1645
Serial No. : 09/461,580 Examiner : R. Zeman
Filed : December 15, 1999
Title : METHODS FOR IDENTIFYING AGENTS WHICH ALTER HISTONE PROTEIN ACETYLATION, DECREASE AGING, INCREASE LIFESPAN

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for $180 is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 11 Mar 2005

Ramon K. Tabtiang
Reg. No. 55,658

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

21044364.doc

03/15/2005 AWONDAF1 00000114 09461580
01 FC:1806 180.00 OP

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EV 411825849 US

March 11, 2005
Date of Deposit

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13407-016001	Application No. 09/461,580
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Leonard Guarente et al.	
(37 CFR §1.98(b))		Filing Date December 15, 1999	Group Art Unit 1645

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	GA						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	GB							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	GC	Karpen, G., et al., *The case for epigenetic effects on centromere identity and function*, Trends Genet 13: 489-496 (1997)
	GD	Grunstein, M., *Yeast Heterochromatin: Regulation of Its Assembly and Inheritance by Histones*, Cell 93, 325-328 (1998))
	GE	Sherman, J. M., et al., *An uncertain silence*, Trends Genet. 13: 308-313 (1997)
	GF	Ivy, J. M., et al., *Cloning and Characterization of Four SIR Genes of Saccharomyces cerevisia,* Mol. Cell. Biol. 6: 688-702 (1986)
	GG	Gotta, M., et al., *The Clustering of Telomeres and Colocalization with Rap1, Sir3, and Sir4 Proteins in Wild-Type Saccharomyces cerevisiae*, J. Cell Biol. 134: 1349-1363 (1996)
	GH	Rine, J., et al., *Four Genes Responsible for a Position Effect on Expression From HML and HMR in Saccharomyces cerevisiae*, Genetics 116: 9-22 (1987);
	GI	Aparicio, O. M., et al., *Modifiers of Position Effect Are Shared between Telomeric and Silent Mating-Type Loci in S. cerevisiae*, Cell 66: 1279-1287 (1991)).
	GJ	Triolo, T., et al., *Role of interactions between the origin recognition in complex and SIR1 in transcriptional silencing,* Nature 381: 251-253 (1996)
	GK	Hardy, C. F. J., et al., *A RAP1-interacting protein involved in transcriptional silencing and telomere length regulation,* Genes Dev. 6: 801 (1992)
	GL	Moretti, P., et al., *Evidence that a complex of SIR proteins interacts with the silencer and telomere-binding protein RAP1*, Genes Dev. 8: 2257 (1994)
	GM	Shou, W., et al., *Exit from Mitosis Is Triggered by Tem1-Dependent Release of the Protein Phosphatase Cdc14 from Nucleolar RENT complex*, Cell 97: 233-244 (1999)
	GN	Mills, K. D., et al., *MEC1-Dependent Redistribution of the Sir3 Silencing Protein from Telomeres to DNA Double-Strand Breaks*, Cell 97: 609-620 (1999);

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13407-016001	Application No. 09/461,580
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Leonard Guarente et al.	
(37 CFR §1.98(b))		Filing Date December 15, 1999	Group Art Unit 1645

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	GO	Martin, S. G., et al., *Relocalization of Telomeric Ku and SIR Proteins in Response to DNA Strands Breaks in Yeast*, Cell 97: 621-633 (1999)
	GP	Bryk, M., et al., *Transcriptional silencing of Ty1 elements in the RDN1 locus in yeast*, Genes Dev. 11: 255-269 (1997);
	GQ	Smith, J. S., et al., *An unusual form of transcriptional silencing in yeast ribosomal DNA*, Genes Dev. 11: 241-254 (1997
	GR	Sinclair, D. A., et al., *Accelerated Aging and Nucleolar Fragmentation in Yeast sgs1 Mutants*, Science 277: 1313-1316 (1997)
	GS	Park, P. U., et al., *Effects of Mutations in DNA Repair Genes on Formation of Ribosomal DNA Circles and Life Span in Saccharomyces cerevisiae*, Mol. Cell. Biol. 19: 3848-3856 (1999
	GT	Braunstein, M., et al., *Efficient Transcriptional Silencing in Saccharomyces cerevisiae Requires a Heterochromatin Histone Acetylation Pattern*, Mol. Cell. Biol. 16: 4349-4356 (1996);
	GU	Braunstein, M., et al., *Transcriptional silencing in yeast is associated with reduced nucleosome acetylation*, Genes Dev 7: 592-604 (1993)),
	GV	Brachmann, C. B., et al., *The SIR2 gene family, conserved from bacteria to humans, functions in silencing, cell cycle progression, and chromosome stability*, Genes Dev. 9: 2888-2902 (1995)
	GW	Tsang, A. W., et al., *CobB, a New Member of the SIR2 Family of Eucaryotic Regulatory Proteins, Is Required to Compensate for the Lack of Nicotinate Mononucleotide:5,6-Dimethylbenzimidazole Phosphoribosyltransferase Activity in cobT Mutants during Cobalamin Biosynthesis in Salmonella typhimurium LT2**, J. Biol. Chem. 273: 31788-31794 (1998)

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.